K-STRONG®
UNRIVALED SAFETY.

USER INSTRUCTION MANUAL

EDGE ANCHOR WIRE ROPE SLINGS

THESE INSTRUCTIONS APPLY TO THE FOLLOWING MODELS:

AFA 910010, AFA 910015, AFA 910020 and AFA910118

CERTIFIED PRODUCT

AUSTRALIA & NZ STANDARDS
Certified to AS/NZS 5532:2013
Issued by BSI
Vide Lic. No.: BMP 760374

CE 0598
EN 795:2012 Type B

Ex
II 2G
Ex h IIc T6 Gb
EN 80079-36:2016
EN 80079-37:2016

Please read and understand the manufacturer's instructions for each component or part of the complete system. Manufacturer's instructions must be followed for proper use, care, and maintenance of this product. These instructions must be retained and be kept available for the user's reference at all times. Alterations or misuse of this product, or failure to follow instructions, may result in serious injury or death.

Note: The user is advised to keep this user instructions document for the life of the product.

1. **INTRODUCTION:** The ANCHORAGE SLINGS are classed as a Personal Protective Equipment (PPE) by the European PPE Regulation EU2016/425 and have been shown to comply with this Regulation through the Harmonized European Standard EN 795:2012 Type B and AS/NZS 5532:2013.

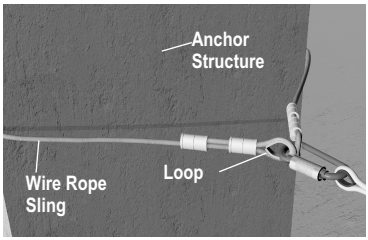
   The Anchorage Slings are designed to minimise the risk of/provide protection against the danger of falling from heights. **However, always remember that no item of PPE can provide full protection and care must always be taken while carrying out the risk related activity.**

2. **PERFORMANCE AND LIMITATIONS OF USE:**
   The Anchorage Slings have been tested in accordance with EN 795:2012 Type B and AS/NZS 5532:2013 have achieved the following performance levels-

EN 795:2012 Type B test	Result/Comment
General Requirements for Anchor devices (Clause 4.2)	(PASS) No sharp edges (PASS).
Static Strength (Clause 4.4.2.3)	Sustained a force of 12 kN for 3 minutes (PASS).
Dynamic Strength & Integrity Test (Clause 4.4.2.2)	When tested with rigid steel mass of 100 kg, the test mass held after test with the device remaining stable throughout. (PASS). Anchor Holds an increased load of 300 kg for 3 min following dynamic test.
Corrosion Resistence (Clause 4.7)(EN 364:1992)	No corrosion evident after 48 hours of salt spray testing. (PASS)

AS/NZS 5532:2013 test	Result/Comment
Static Strength (Clause 5.3)	Sustained a force of 15 kN for 3 minutes (PASS).
Dynamic Performance (Clause 5.3)	When tested with rigid steel mass of 100 kg, the test mass held after test with the device remaining stable throughout. (PASS)

3. **APPLICATION:** The Anchorage Slings have been developed to be used as mobile anchor point. It is useful at working areas where there are horizontal beams or pipes or other structures on which it can be looped and used as anchor point.



4. **INSPECTION:** Visually inspect the system before each use to enusre that it is in a serviceable condition and is operating correctly. If during inspection, doubts are raised about the safety of the system or a component, these should be replaced either by the manufacturer or a competent person.
   Note:- It is recommended to mark the date of the next or last inspection.

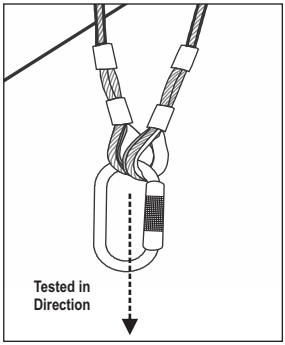
5. **PRECAUTIONS:**
   - Ensure the Medical condition of the user does not affect his safety in normal and emergency use.
   - The equipment shall only be used by a person trained and competent in its safe use.
   - A rescue plan shall be in place to deal with any emergencies that could arise during the work.
   - Anchor sling must be installed to a structure that greater than 12kN (for AS/NZS standards the structure must be 15kn or greater). If unsure check with an engineer.
   - It is essential to verify free space required beneath the user at work place before each occasion of use so that in case of a fall there will be no collision with ground or other obstacle in the fall path.
   - Ensure that the structure on to which the sling is being looped is free of sharp edges or burrs.

6. **INSTRUCTIONS FOR USE :**

   STEP 1: Place the sling over the anchorage structure in such a way that both loop ends must hang on each side of the structure.
   Note: The anchorage structure must be strong enough or known to have a strength of greater than 12 kN. For AS/NZS standards the structure must be 15kn or greater.

   STEP 2: Now tightly wrapped the sling around the anchorage structure. You may shorten the distance from the anchorage by wrapping the sling around the anchorage several times.

   STEP 3: Once the installation is complete combine both loops for forming an attachment point for making a fall arrest system.
   Note: As per your requirement you can either attach a retractable fall arrester or an anchorage line of a guided type fall arrestor or the anchorage hook of the lanyard into this point.

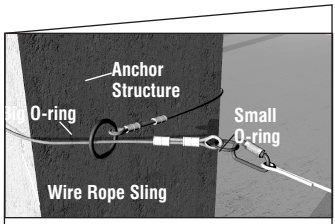


AFA910118- Both side O-rings

STEP 1: Place the sling over the anchorage structure in such a way that the two O-rings hang on each side of the structure. The anchorage structure on to which anchor sling is to be looped must be strong enough to withstand the load of application, and must be free from sharp and abrasive edges.

STEP 2: Now pass the small attachment O-ring through the large O-ring. Slide the large ring up to the anchorage structure. Pull the small O-ring down to take up slack that was made by moving the large ring up. The sling should be tightly wrapped around the anchorage with the small O-ring hanging free. You may shorten the distance of the small O-ring that hangs from the anchorage by wrapping the sling around the anchorage. On each loop, pass the small O-ring through the large ring.

STEP 3: Use the small O-ring as the attachment point for personal fall arrest system, once the installation is complete.



AFA910118- Both side O-rings (Choker arrangement)

⚠ **WARNING:** The free fall distance may get extended because of the use of the anchorage extender. Hence, the anchorage extender should always be connected making sure that the O-ring of the extender lies overhead the user. This helps the free fall distance to be kept to a minimum.

7. ADVICE & INFORMATION:

- When The Anchor Device is used as part of a fall arrest system, the user shall be equipped with a means of limiting the maximum dynamic forces exerted on the user during the arrest of a fall to a maximum of 6 kN.
- Anchor device should only be used for personal fall protection equipment and not for lifting equipment.
- Please be aware of any dangers that may arise by the use of combinations of items of equipment in which the safe function of any one item is affected by or interferes with the safe function of another.
- Please check for any cracks, permanent deformation on swagged loops and cuts or open strands on wire .If any cracks or permanent deformations are found it is not recommend to use & should be removed from service immediately.
- It is essential for safety that the anchor device or anchor point should always be positioned, and the work carried out in such a way, as to minimize both the potential for falls and potential fall distance. Where it is essential that the anchor device/point is placed above the position of the user.
- A full body harness is the only acceptable body holding device that can be used in a fall arrest system.
- Following conditions may be hazardous & may affect the performance of Anchor-
  - Extreme temperature.
  - Trailing or looping of Lanyards over sharp edges.
  - Extreme acidic or basic environments.
  - Abrasive or sharp edge structures which can damage the equipment.
  - Chemical Reagents.
  - Climatic exposure.
- Standard packaging supplied from manufacturer should be used during transportation to protect the equipment against damage.
- It is important to conduct regular periodic examination of the product because the safety of the user depends upon the continued efficiency and durability of the product.

8. LIMITATIONS:

- Anchorage Slings should be the personal property of its user.
- It should not be used in highly acidic or basic environments.
- The anchorage sling has been tested to EN 795:2012 Type B and AS/NZS 5532:2013, and is appropriate only for single person use with an energy absorber as per EN 355:2002.
- It is essential for the safety of user that if the product is resold outside the original country of destination, the reseller shall provide instruction for use, maintenance, for periodic examination and for repair in the language of the country in which product is to be used.
- The equipment shall not be used out side its limitation, or for any purpose other than that for which it is intended.

9. COMPATIBILITY: To optimise protection, in some instance it may be necessary to use the anchorage sling with suitable PPE such as: boots/gloves/helmet and ear protection. In this case, before carrying out the risk-related activity, consult your supplier to ensure that all your protective products are compatible and suitable for your application.

10. REPAIR: If the product becomes damaged, it will NOT provide the optimum level of protection, and therefore should be immediately removed from service. It needs to be inspected to see if it is replaced or repaired. Never use the damaged product. Repair is only permitted by the manufacturer or a nominated repair centre or individual approved by the manufacturer.

11. WITHDRAWAL FROM USE: If the system has been used to arrest a fall, it should be removed from service and returned to the manufacturer or a competent repair centre for servicing and re test.

12. CLEANING: In case of minor soiling, wipe the anchorage sling with cotton cloth or a soft brush. Do not use any abrasive material. For intensive cleaning wash the anchorage sling in water at a temperature between 300C to 600C by using a neutral detergent (pH 7). The washing temperature should not exceed 600C. Do not use acid or basic detergents.

13. STORAGE AND TRANSPORT: When not in use, store the anchorage slings in a well-ventilated area away from heavily acidic or basic environment. Never place heavy items on top of it. Also ensure that it is stored away from chemically hazardous environment preferebly storage should be in dry environment.

14. WARNING: Do not make any alteration or additions to the equipment without the manufacturer's prior written consent and repair shall only be carried out by personnel trained by the manufacture & duly authorized by him.

15. PERIODIC EXAMINATION:

- It is important to conduct regular periodic examination of the product because the safety of the user depends upon the continued efficiency & durability of the product.
- The frequency of examination should be at least once in a year however it can be more than once if legislation requires, or frequency of use is high or environmental conditions have an adverse effect on it eg. excessive rain, sea side environment, excessive heat etc.
- It is emphasized that the examination be conducted only by a competent person and strictly in accordance with the manufacturer's periodic examination procedures.
- It is also advised the competent person be duly trained and authorized by the manufacturer.
- It is essential that periodic examination shall only be conducted by the manufacturer or by a person or organization authorized by the manufacturer.
- Ensure that all markings on the product are legible and can be clearly read.

The Anchorage Slings are marked with :

(i) The CE mark showing that the product meets the requirements of the PPE Regulation (EU)2016/425

(ii) Identification of the manufacturer

(iii) Type or product code

(iv) Year of Manufacture

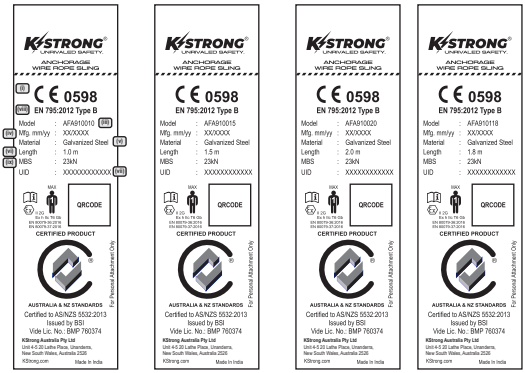
(v) Material Used

(vi) Length of the rope

(vii) UID for traceability of Product.

(viii) Norm Reference

(ix) Minimum Breaking Strength



LIFESPAN: The estimated product Lifespan is 10 years from the date of manufacture. The following factors can reduce the Lifespan of the product: intense use, contact with chemical substances, specially aggressive environments, extreme temperature exposure, UV exposure, abrasions, cuts, violent impacts, bad use or maintenance.

DISCLAIMER: Prior to use, the end user must read and understand the manufacturer's instructions supplied with this product at the time of shipment and seek training from their employer's trained personnel on the proper usage of the product. Manufacturer is not liable or responsible for any loss, damage or injury caused or incurred by any person on grounds of improper usage or installation of this product.

EQUIPMENT RECORD		
Product		
Model & type/Identification	Trade Name	Identification number
Manufacturer	Address	Tel, email into use
Year of manufacture	Purchase Date	Date first put into use
Other relevant information (eg. document number)		

PERIODIC EXAMINATION AND REPAIR HISTORY

Date	Reason for entry (periodic examination or repair)	Defects noted, repairs carried out and other relevant information	Name and signature of competent person	Periodic examination next due date

Certification Body :

SATRA Technology Europe Ltd, Bracetown Business Park, Clonee, Dublin D15 YN2P Ireland (Notified Body 2777)

Ongoing Assessment Body:

SGS Fimko Oy, Takomotie 8, FI-00380 Helsinki, Finland (Notified Body 0598)

Certification Body & Ongoing Assessment Body (AUSTRIALIA & NZ STANDARDS)

BSI Group ANZ Pty Ltd, Suite 1, Level 1, 54 Waterloo Road, Macquarie Park, NSW 2113, Australia.

For EU Declaration, visit **https://kstrong.com/asia/eu-declaration-form/**

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